

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

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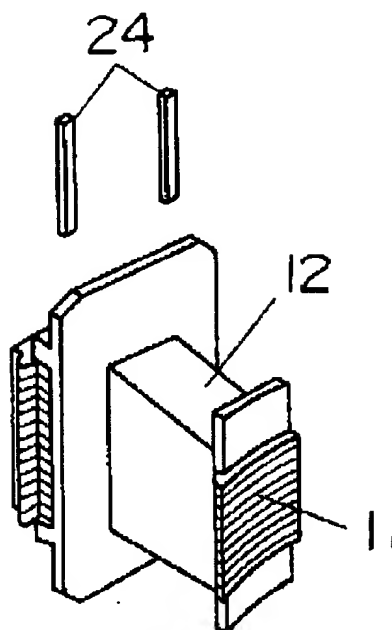
APPLICATION DATE : 21-05-99
APPLICATION NUMBER : 11141860

APPLICANT : MATSUSHITA ELECTRIC IND CO LTD;

INVENTOR : UCHIDA KOICHI;

INT.CL. : H02K 1/18 H02K 1/14 H02K 3/34

TITLE : STATOR



ABSTRACT : PROBLEM TO BE SOLVED: To reduce loss of eddy current in a stator for providing a small motor with high efficiency at a low cost.

SOLUTION: An insulator 12 is formed from a resin molding die in a body with a stator piece 11. In the resin molding die, the thickness of lamination and the outer form of an iron core are limited to ensure the thickness of the insulator 12, and at the same time, laser welding for fixing the stator piece 11 can be omitted. In this way, loss of eddy current occurring due to welding in fixation can be eliminated, and the insulation between the core and the winding can be ensured by the one-body molding of the insulator 12 and an insulation treatment step can be streamlined. In addition the strength of the stator piece 11 can be ensured by the one-body insulator, as well as by a varnish treatment of the winding and the completed stator.

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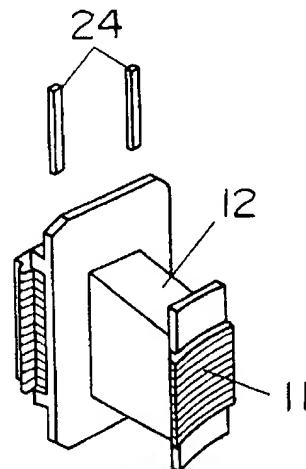
CC15 CC16 PB03

(54) 【発明の名称】 固定子

(57) 【要約】

【課題】 固定子のうず電流損を低減し、小型で効率の良いモータを安価に提供することを目的とする。

【解決手段】 固定子ピース11にインシュレータ12を一体成形することにより固定子ピース11を固着するためのレーザ溶接を省略することができ、固着によるうず電流損をなくした固定子を得られる。



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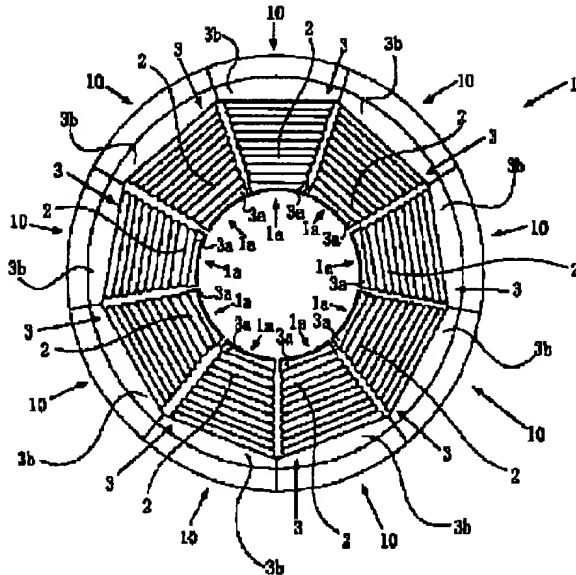
APPLICATION DATE : 27-05-96
APPLICATION NUMBER : 08131677

APPLICANT : SANKYO SEIKI MFG CO LTD;

INVENTOR : OTSUKI NOBORU;

INT.CL. : H02K 1/14 H02K 1/18 H02K 15/085

TITLE : STATOR FOR DYNAMO-ELECTRIC
MACHINE AND ITS MANUFACTURE



ABSTRACT : PROBLEM TO BE SOLVED: To improve occupying percentage of a coil without causing the increase in cogging torque or torque ripple.

SOLUTION: This stator 1 is provided with a laminated core 10 formed by laminating divided cores for each salient pole, a winding 2 wound on the arm part of the salient pole 1a of the laminated core 10. In the case of the laminated core 10 connected in an annular form, the laminated core 10 is formed integrally with a resin body 3 which covers the surface of at least the arm part of the salient pole 10. In the resin body 3, a groove through which the wiring 2 is inserted can be formed.

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